

Reach for the Stars – Team Answers Sheet

Team #: _____

Team Name: _____

- Please write your team name and number on your answer sheet.
- 12 stations – 3.5 min per station
- Review time at your last station (remaining min)
- Answers must be legible. 1 point for each correct answer (109 points total)

Station 1

1. _____

2. A: _____

B: _____

3. A: _____

B: _____

4. _____

5. _____

6. _____

Station 2 – Identify Constellation Set 1

7. _____

8. A: _____

B: _____

Station 2 – Identify Constellation Set 2

9. _____

10. _____

Station 2 – Identify Constellation Set 3

11. _____

12. _____

Station 3 – Identify Star - Set 1

13. A: _____

B: _____

14. A: _____

B: _____

Station 3 – Identify Star - Set 2

15. A: _____

B: _____

16. A: _____

B: _____

Station 3 – Identify Star - Set 3

17. _____

18. _____

Station 4 – Deep Sky Objects – Set 1

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

Station 5 – Deep Sky Objects - Set 1

25. _____

26. _____

27. _____

28. _____

Station 5 – Deep Sky Objects - Set 2

29. _____

30. _____

31. _____

32. _____

Station 5 – Deep Sky Objects - Set 3

33. _____

34. _____

35. _____

Station 6 – Star Classification

36. _____
37. _____
38. _____
39. _____
40. _____
41. _____
42. _____
43. _____
44. _____
45. _____
46. _____

Station 7 – Astronomical Spectroscopy

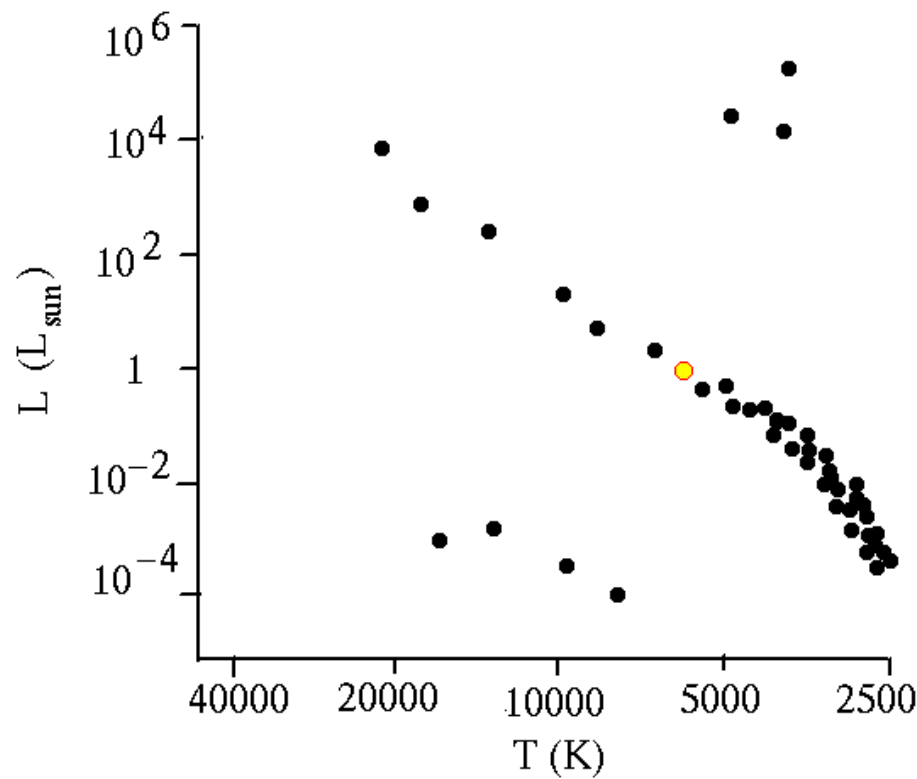
47. _____
48. _____
- a. _____
- b. _____
- c. _____
- i. _____
- ii. _____
- iii. _____
49. _____

Station 8 – Star Evolution 1

50. _____
51. _____
52. _____
53. _____
54. _____
55. _____
56. _____
57. _____
58. _____
59. _____

Station 9 – Stellar Evolution

60. 60. Plot the most likely expected lifecycle of our Sun on the HR diagram



Phases of Sun’s Life Cycle – Name as many phases as appropriate along with time

Star phase	Points Earned	Time spent by Sun (in Years)	Points Earned

Station 10 – General Questions 1

61. _____
62. _____
63. _____
64. _____
65. A: _____
- B: _____
66. _____

Station 10 – General Questions 2

67. A: _____
- B: _____
68. A: _____
- B: _____
69. _____
70. Q1: _____
- Q2: _____
- Q3: _____

Station 10 – General Questions 3

71. _____
72. _____
73. _____
74. _____
75. _____
76. _____
77. _____